

**human CD7 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8651b**

## Specification

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### human CD7 Antibody - Product Information

Application	FC,E
Primary Accession	<a href="#">P09564</a>
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1

### human CD7 Antibody - Additional Information

**Gene ID** 924

**Dilution**

FC~~1:50

E~~Use at an assay dependent concentration.

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

human CD7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### human CD7 Antibody - Protein Information

**Name** CD7

**Function** Transmembrane glycoprotein expressed by T-cells and natural killer (NK) cells and their precursors (PubMed:[7506726](#)). Plays a costimulatory role in T-cell activation upon binding to its ligand K12/SECTM1 (PubMed:[10652336](#)). In turn, mediates the production of cytokines such as IL-2 (PubMed:[1709867](#)). On resting NK-cells, CD7 activation results in a significant induction of interferon-gamma levels (PubMed:[7506726](#)).

**Cellular Location**

Membrane; Single-pass type I membrane protein.

**Tissue Location**

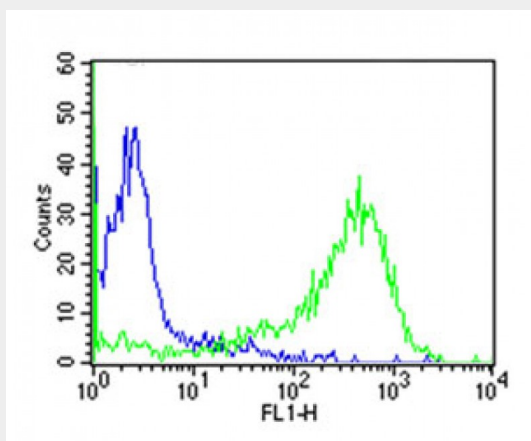
Expressed on T-cells and natural killer (NK) cells and their precursors.

## human CD7 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## human CD7 Antibody - Images



Overlay histogram showing human peripheral blood lymphocytes stained with CD7 antibody (green line). The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:50 dilution) for 60min at 37°C. The secondary antibody used was Goat Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (OJ192088) at 1/200 dilution for 40min at 37°C. Isotype control antibody (blue line) was mouse IgG1 (1µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.